



## 21W DC-DC Power over Ethernet Splitter POE21 Gigabit IEEE802.3at Compliant Splitter



### Features

- Compliant with the IEEE802.3at Standard
- DC Good LED
- Gigabit Compatible
- Full Protection OTP, OCP, OVP
- Works with any layer 1 IEEE802.3at Power Sourcing Equipment
- User Changeable Tips
- Non-Vented Case
- 1 Year Warranty

### Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras
- IP Print Servers

### Safety Approvals

- CE

### Mechanical Characteristics

- Length: 100mm (3.97in)
- Width: 56mm (2.2in)
- Height: 27.9mm (1.1in)
- Weight: 0.142Kg (0.311lb)

### Output Specifications

Model	DC Output Voltage	Output Current
POE21-120-R <sup>1</sup>	12V	1.75A
POE21-240-R <sup>1</sup>	24V	0.875A

Notes:

1. Can only be used with unshielded cables

**INPUT:****Input Voltage Range**

Receives power from either data or spare pairs 45-57V DC

**Input Current**

0.6A (RMS) maximum

**OUTPUT:****Regulation**

Line and Load  $\pm 4\%$

**Ripple**

12V 120mVp-p

24V 240mVp-p

**Efficiency**

80% (typical) at maximum load 48V DC

**O/P Voltage Protection**

In case of output voltage overload, crowbar will short

**ENVIRONMENTAL****Temperature**

Operation 0 to +40°C

Non-operation -20 to +65°C

Humidity 5 to 90%

**Immunity**

ESD: EN61000-4-2 Level 3

RS: EN61000-4-3 Level 2

**EMC**

Complies with FCC Class B

Complies with EN55032 Class B

**Dielectric withstand (HI-POT) Test**

Primary to secondary: 2121VDC for 1 minute  
10mA

**Insulation Resistance**

Primary to secondary: >10M Ohm 500VDC

**FEATURES:****Indicators**

GREEN LED – Output Good

**Short Circuit Protection**

Output can be shorted permanently without damage

**Input and Output Data Connector**

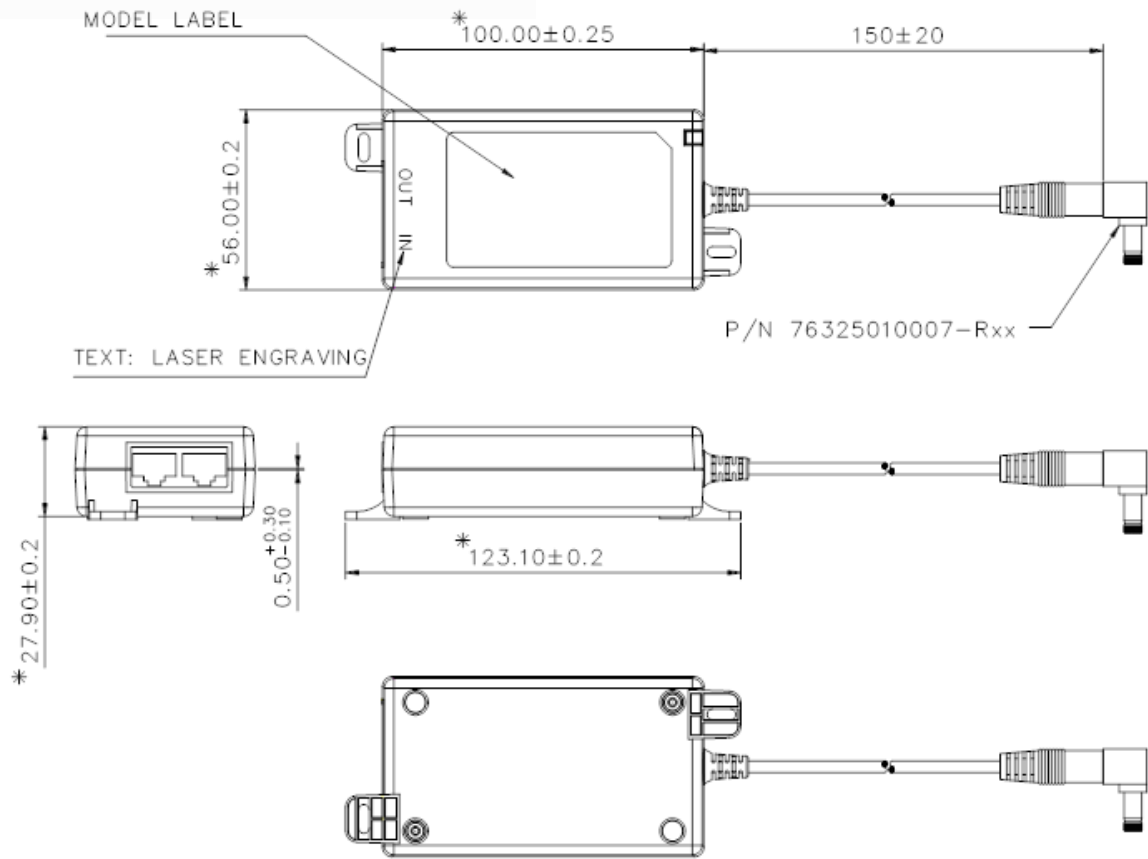
RJ45

**Output Connector**

Center Positive Barrel 12mm x 2.1mm x 5.5mm. Tip is user changeable for other sizes



**Dimension Diagram Unit: mm**





Supplier's Declaration of Conformity  
47 CFR § 2.1077 Compliance Information

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*This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*